

## Retrofit Kit IGS Single Face Signs

### Compliances:

- ICAO: Annex 14 - Volume I
- NATO: STANAG 3316



### Applications:

- The LRK is a kit designed to convert an already installed IGS single face sign, lighted with fluorescent lamp, in a sign with LED light source

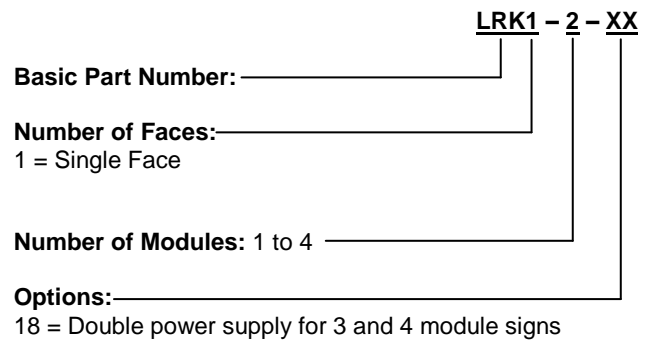
### Characteristics:

- Designed in compliance with FAA 150/5345-44 and ICAO Annex 14 - Volume I
- **LED light source** powered through a dedicated PCB for maximum reliability
- Operating temperature: -40°C to +55°C
- Thanks to the **long life** of the LEDs (60,000 hours at the top brightness step or far over 100,000 hours in normal operating conditions) the maintenance activities are extremely reduced and the safety of the airport operations is considerably increased.
- **Constant average sign luminance** (exceeding ICAO Specs) at any series current step from 2.8 A through 6.6 A. See TABLE A on this page for luminance data
- Modular design
- An external power disconnecting switch is provided to break all electrical connections to the sign for safe maintenance
- Operates from 1 step (6.6 A) or 3 steps (4.8 A to 6.6 A) or 5 steps (2.8 A to 6.6 A) series lighting circuit through isolating transformers. See TABLE B on this page for isolating transformer choice
- Power required to CCR per module: ≤65 VA at 6.6 A
- Power factor not less than 0.90 at any series current step from 2.8 A through 6.6 A

TABLE A - LUMINANCE (in cd/m<sup>2</sup>)

LEGEND SIZE	HEIGHT of SIGN FACES	COLOURS		
		RED	YELLOW	WHITE
400 mm	800 mm	44	167	308
300 mm	600 mm	48	184	343

### How To Order:



- To construct the catalogue number, add to the basic part number the number of faces and the number of modules
- Always specify the OPTION 18 in case of retrofit of such a kind of sign
- Order isolation transformer(s)
- When facing side A, the power entry is on the right

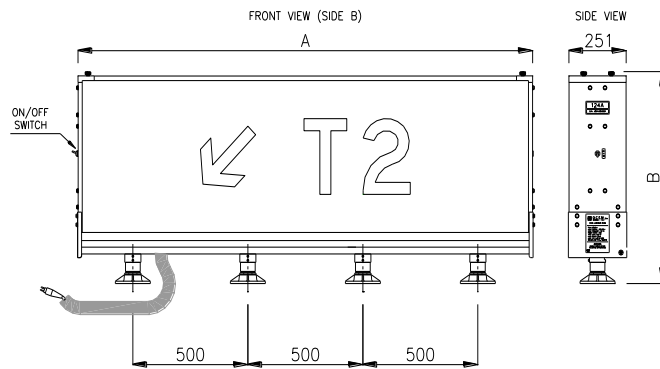
TABLE B - REQUIRED ISOLATING TRANSFORMERS

Sign modules	TRANSFORMER RATING			
	2.8 A-6.6 A		4.8 A 6.6 A	6.6 A
	STANDARD	OPT. 18		
1	150 W	//	100 W	65 W
2	300 W	//	200 W	150 W
3	400 W	1 tr. 150 W 1 tr. 300 W	300 W	200 W
4	2x300 W	2 tr. 300 W	300 W	300 W

## Overall Dimensions:

Sign Modules	1	2	3	4
<b>A</b>	991	1976	2961	3946

Legend Size	300	400
<b>B</b>	838	1038



## Accessories:

**[P/N]**      **Description**

011.2300	Transformer pack for series circuits FAA L-831 2x300 W 6.6/6.6 A, suitable for secondary grounding
011.3100	Consolidating harness

**For any information about isolating transformers and connectors, please see the specific catalogue pages**

## Renewal Parts:

**[P/N]**      **Description**

150.3882	F188 LEDs luminous source board
150.3972	F209 power supply board
303.7325	Breakable coupling for sign with 400 mm legend height
303.7335	Breakable coupling for sign with 300 mm legend height
323.2367	Cable lead with plug
464.0238	ON-OFF switch
464.0234	ON-OFF switch, for sign provided with double power supply (option 18)
470.0218	Rubber cap for switch

## Shipping Weights and Volumes:

Number of Modules			
1	2	3	4
3,3 kg - 0.08 m <sup>3</sup>	6,6 kg - 0.08 m <sup>3</sup>	9,9 kg - 0.16 m <sup>3</sup>	12,3 kg - 0.16 m <sup>3</sup>
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